

Title (en)  
AIR-CONDITIONING DEVICE

Title (de)  
KLIMATISIERUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE CLIMATISATION

Publication  
**EP 4357690 A1 20240424 (EN)**

Application  
**EP 21946074 A 20210618**

Priority  
JP 2021023182 W 20210618

Abstract (en)  
An air-conditioning apparatus includes: an indoor unit configured to cool or heat an air-conditioning target space; an outdoor unit configured to supply heating energy or cooling energy to the indoor unit; a refrigerant shut-off unit configured to shut off supply of refrigerant to the indoor unit; a refrigerant sensor configured to detect refrigerant leaking from the indoor unit; a space detector configured to detect information regarding a volume of a space where the indoor unit is installed; and a controller configured to determine whether or not the space where the indoor unit is installed is a small space based on a detection result from the space detector, and energize the refrigerant sensor when the space where the indoor unit is installed is the small space.

IPC 8 full level  
**F24F 11/36** (2018.01); **F25B 49/02** (2006.01)

CPC (source: EP US)  
**F24F 11/36** (2018.01 - EP US); **F24F 11/89** (2018.01 - EP); **F25B 13/00** (2013.01 - EP); **F25B 49/005** (2013.01 - EP); **F24F 11/32** (2018.01 - EP); **F25B 2313/0233** (2013.01 - EP); **F25B 2400/12** (2013.01 - EP); **F25B 2500/222** (2013.01 - EP)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4357690 A1 20240424**; **EP 4357690 A4 20240731**; CN 117460918 A 20240126; JP 7442741 B2 20240304; JP WO2022264399 A1 20221222; US 2024183552 A1 20240606; WO 2022264399 A1 20221222

DOCDB simple family (application)  
**EP 21946074 A 20210618**; CN 202180099235 A 20210618; JP 2021023182 W 20210618; JP 2023528911 A 20210618; US 202118554222 A 20210618